

Product datasheet for **RC224401**

SLC35G6 (NM_001102614) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SLC35G6
Synonyms:	AMAC1L3; TMEM21B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC224401 representing NM_001102614
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGGCAGTCAACCCCTACTTGAACCCGCTGACTCCACACACCCATCGCCGCCCTCCGCTCCACCCA
GCCTCCGCTGGCACCAGTGCTGCCAGCCCTCTGATGCCACCAATGGCCTGCTGGTGGCCCTGCTGGGTGG
GGGCTGCCTGCTGGCTTCGTGGGCCCCCTTCTCATATGGCTTACCAGGCTTCCAACCTGCCCTCGCTG
GAGCTGCTCATCTGTCGATGCCTCTCCACCTCCCTATTGCCCTGCTACTTAACTGCGTGGCGACCCCC
TTCTGGGACCTCCTGACATCCGAGGCCGGGCTACTTCTATGCCCTGCTCAACGTCCTCAGCATTGGATG
TGCCTACAGTGCGGTTACAGTGGTGGCCGCTGGCAACGCTGCCACTGTTGCGAAAGGTTCTCCACCGTC
TGCTCCGCCGTCCTCACCTCTGCCTTGAGAGCCAGGGTCTCAGTGGCTACGACTGGTGTGGACTGTTGG
GCAGCATCCTAGGACTAATCATATTGTGGACCTGGACTCTGGACACTACAGGAGGGGATCACGGGTGT
CTACACCGCCCTGGCTATGGGCAGGCTTTCGTGGGAGGACTGGCGCTGTCCCTGGGGCTTCTGGTCTAT
CGTTCTCTGCACTTTCCTCCTGCCTCCCAACAGTGGCCTTCTATCTGGCTTGGTGGGGCTGCTGGGCT
CTGTGCCAGGCTCTTTGTGCTGCAGCCCCCGTGTGCCAGTGATCTCCGAGTTGGAGTTGTGTGGG
GGCAGTGGGGATCCTCGCTTGGTCTCCTTCACATGTGTGAGCTATGCGGTACCAAGGCCACCTGCC
CTGGTGTGCGCTGTCTGCATTCCGAGGTGGTGGCCCTTATACTGCAGTATTATATGCTCCATGAGA
CTGTGGCACCTTCTGACATCGTGGGGCAGGGGTTGTGCTGGGCAGCATTGCCATCATCACGCCTGGAA
CCTCAGCTGTGAGAGGAAGGAAGGTGGAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATACGACGATAAGGTTTAA



Protein Sequence: >RC224401 representing NM_001102614
Red=Cloning site Green=Tags(s)

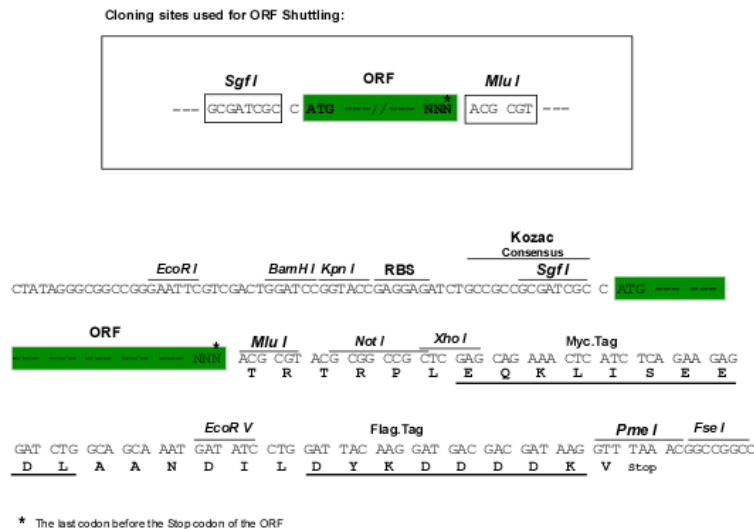
MAGSHPYLNPDPSTHPSPPSAPPSLRWHQCCQPSDATNGLLVALLGGGLPAGFVGPLSHMAYQASNLPSL
ELLICRCLFHLPIALLKLRGDPPLGPPDIRGRAYFYALLNVLSIGCAYSAVQVVPAGNAATVRKGSSTV
CSAVLTLCLSQGLSGYDWCGLLGSILGLIIIVGPGLWTLQEGITGVYTALGYQAFVGLLALSLGLLVY
RSLHFPSCLPVAFSLGLVGLLGSVPGLFVLQPPVLPDLPWSWCVGAVGILALVSFTCVSYAVTKAHPA
LVC AVLHSEVVVALILQYYMLHETVAPSDIVGAGVVLGSAIIITAWNLSCEREGKVEE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8006_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001102614

ORF Size: 1014 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001102614.1](#), [NP_001096084.1](#)

RefSeq Size: 1195 bp

RefSeq ORF: 1017 bp

Locus ID: 643664

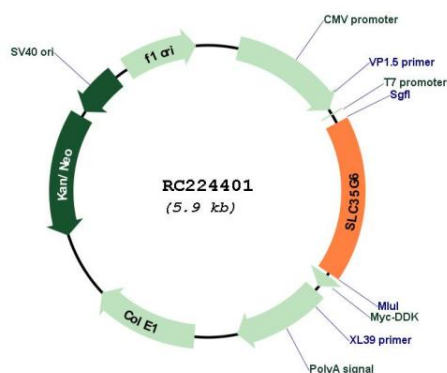
UniProt ID: [P0C7Q6](#)

Cytogenetics: 17p13.1

Protein Families: Transmembrane

MW: 34.9 kDa

Product images:



Circular map for RC224401